

COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 NOV 2007 HIGHEST RN 952567-23-6  
DICTIONARY FILE UPDATES: 6 NOV 2007 HIGHEST RN 952567-23-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s 105816-04-4/rn  
L1 1 105816-04-4/RN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 105816-04-4 REGISTRY  
ED Entered STN: 21 Dec 1986  
CN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN D-Phenylalanine, N-[[4-(1-methylethyl)cyclohexyl]carbonyl]-, trans-

OTHER NAMES:

CN (-)-N-[(trans-4-Isopropylcyclohexyl)carbonyl]-D-phenylalanine

CN A 4166

CN AY 4166

CN D-Nateglinide

CN DJN 608

CN Fastic

CN Glinat

CN Nateglinide

CN Natelide

CN SDZ-DJN 608

CN Senaglinide

CN Starlix

CN Starlix DS

CN Starsis

FS STEREOSEARCH

DR 418766-62-8

MF C19 H27 N O3

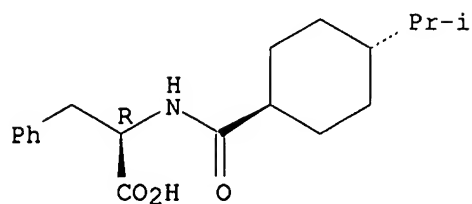
CI COM

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, PATDPASPC, PHAR, PIRA, PROMT, PROUSDDR, PS, RTECS\*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

596 REFERENCES IN FILE CA (1907 TO DATE)  
11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
598 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> str 105816-04-4

:

:end

L2 STRUCTURE CREATED

=> s 12 fam full

L3 895860 12

=> s 12 fam full

FULL SEARCH INITIATED 16:31:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 441 TO ITERATE

100.0% PROCESSED 441 ITERATIONS

36 ANSWERS

SEARCH TIME: 00.00.01

L4 36 SEA FAM FUL L2

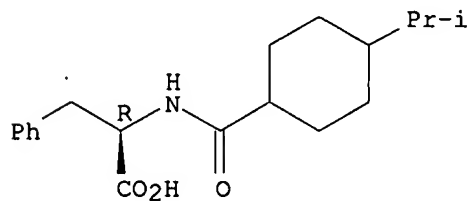
=> d scan

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN D-Phenylalanine, N-[[4-(1-methylethyl)cyclohexyl]carbonyl]- (9CI)

MF C19 H27 N O3

Absolute stereochemistry.

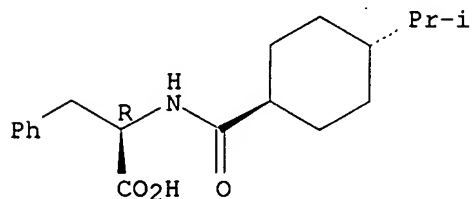


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):36

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, hydrate  
 (1:1)  
 MF C19 H27 N O3 . H2 O

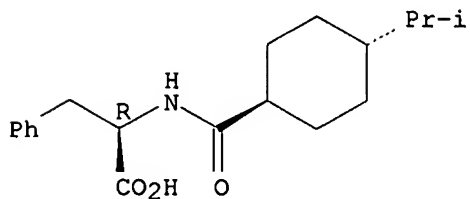
Absolute stereochemistry.



● H2O

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-,  
 hydrochloride (2:1), hydrate (2:1) (9CI)  
 MF C19 H27 N O3 . 1/2 Cl H . 1/2 H2 O

Absolute stereochemistry.



● 1/2 HCl

● 1/2 H2O

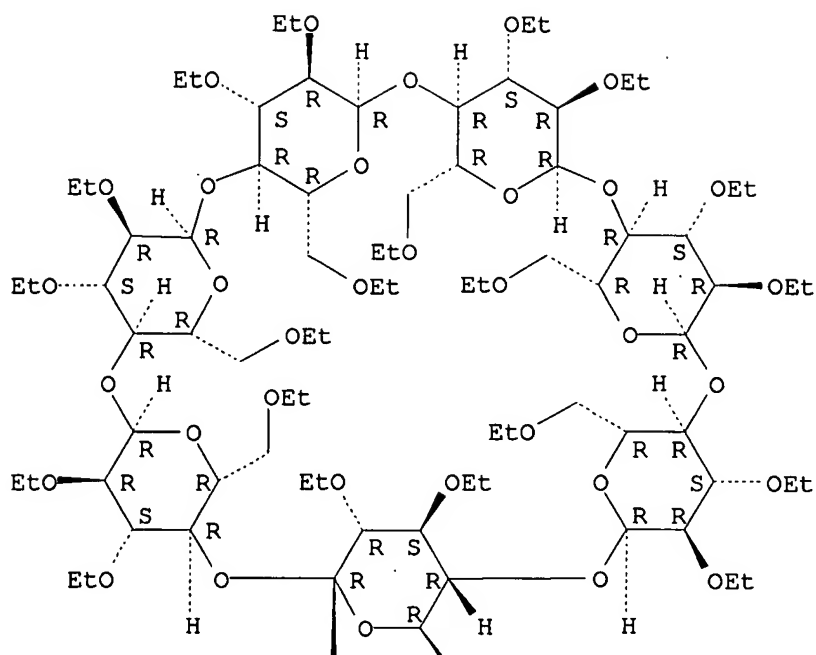
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 2A,2B,2C,2D,2E,2F,2G,3A,3B,3C,3D,3E,3F,3G,6A,6B,6C,6D,6E,6F,6G-  
 heneicosa-O-ethyl-β-cyclodextrin (1:1) (9CI)  
 MF C84 H154 O35 . C19 H27 N O3

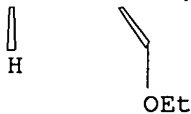
CM 1

Absolute stereochemistry.

PAGE 1-A

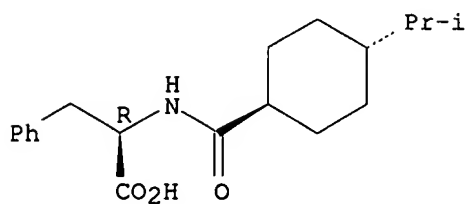


PAGE 2-A



CM 2

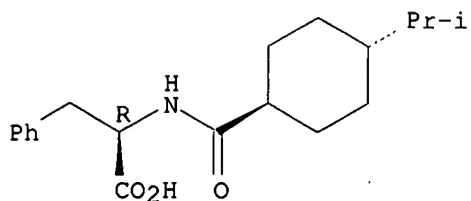
Absolute stereochemistry.



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with  $\beta$ -cyclodextrin (1:1) (9CI)  
MF C42 H70 O35 . C19 H27 N O3

CM 1

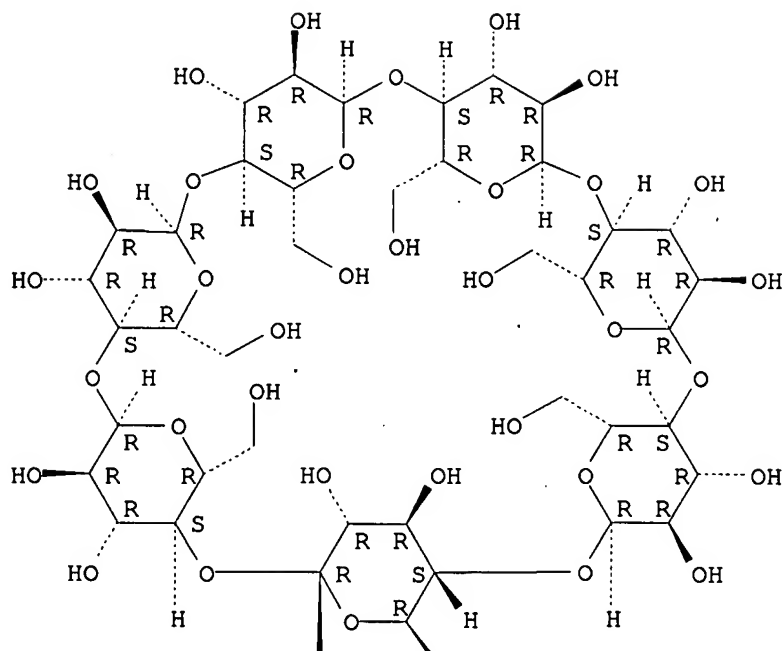
Absolute stereochemistry.



CM 2

Absolute stereochemistry.

PAGE 1-A



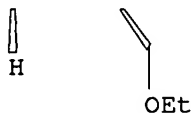
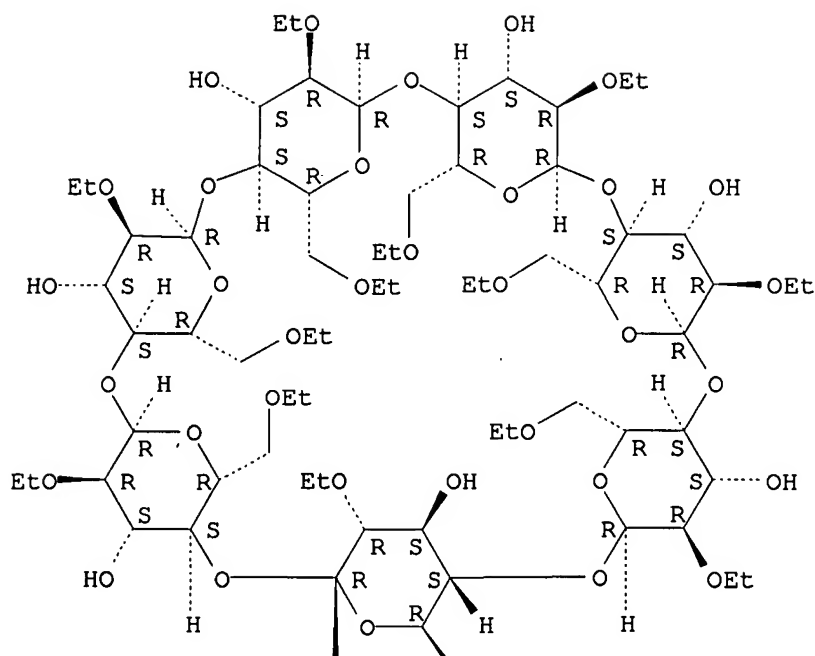
PAGE 2-A



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 2A,2B,2C,2D,2E,2F,2G,6A,6B,6C,6D,6E,6F,6G-tetradeca-O-ethyl- $\beta$ -  
 cyclodextrin (1:1) (9CI)  
 MF C70 H126 O35 . C19 H27 N O3

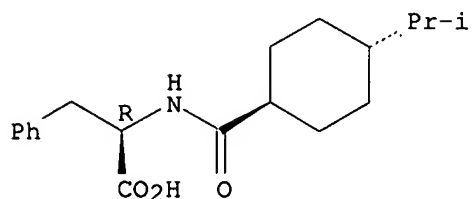
CM 1

Absolute stereochemistry.



CM 2

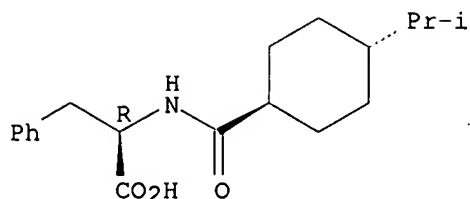
Absolute stereochemistry.



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 2A,2B,2C,2D,2E,2F,2G,3A,3B,3C,3D,3E,3F,3G,6A,6B,6C,6D,6E,6F,6G-  
 heneicosa-O-methyl-β-cyclodextrin (1:1) (9CI)  
 MF C63 H112 O35 . C19 H27 N O3

CM 1

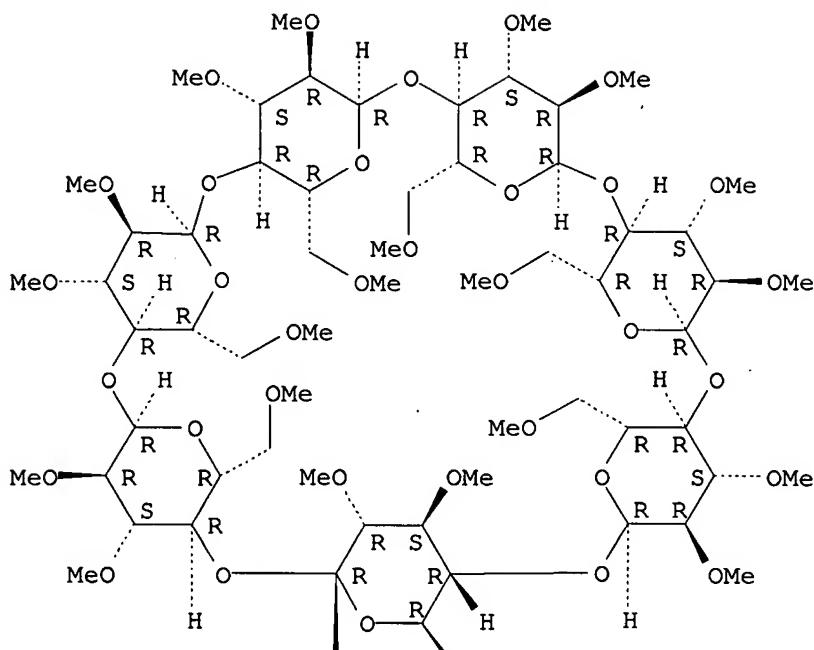
Absolute stereochemistry.



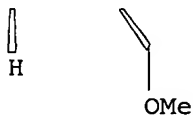
CM 2

Absolute stereochemistry.

PAGE 1-A



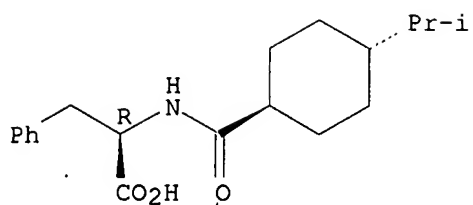
PAGE 2-A



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 2A,2B,2C,2D,2E,2F,2G,6A,6B,6C,6D,6E,6F,6G-tetradeca-O-methyl-β-  
 cyclodextrin (1:1) (9CI)  
 MF C56 H98 O35 . C19 H27 N O3

CM 1

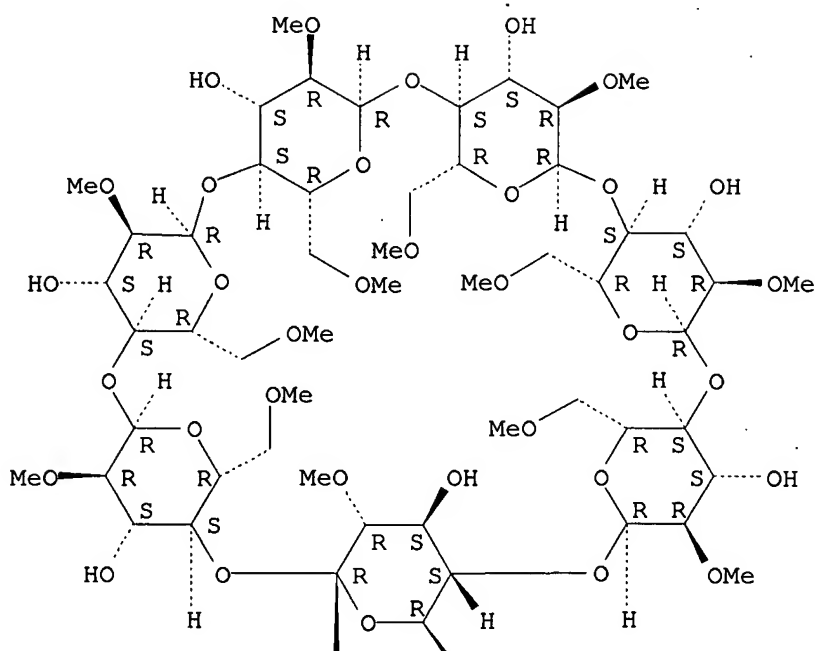
Absolute stereochemistry.



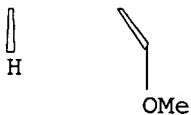
CM 2

Absolute stereochemistry.

PAGE 1-A



PAGE 2-A

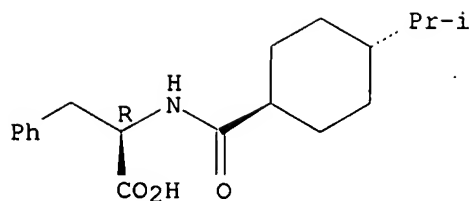


L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with  $\beta$ -cyclodextrin (2:1) (9CI)  
 MF C42 H70 O35 . 2 C19 H27 N O3

CM 1

Absolute stereochemistry.

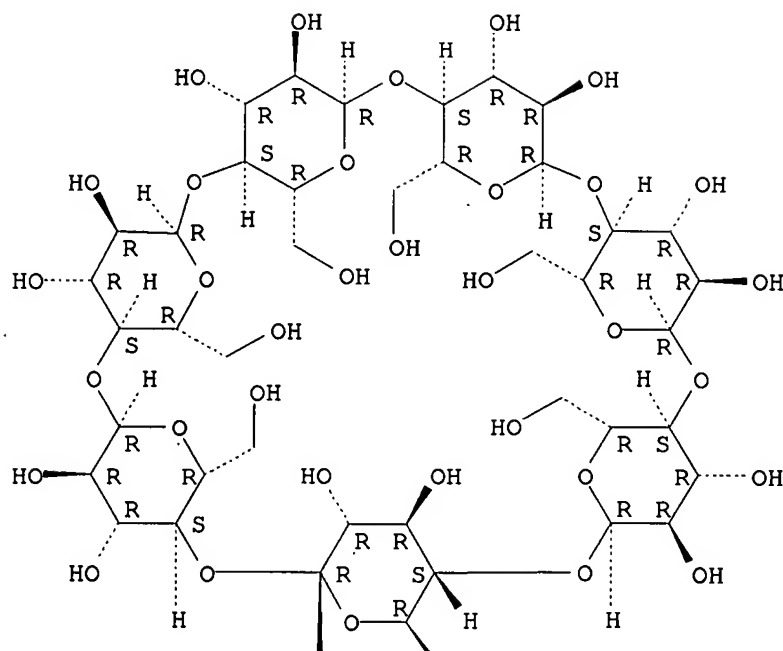




CM 2

Absolute stereochemistry.

PAGE 1-A



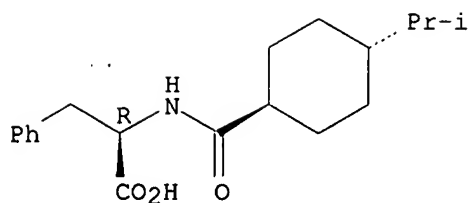
PAGE 2-A



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with  $\beta$ -cyclodextrin (3:1) (9CI)  
 MF C42 H70 O35 . 3 C19 H27 N O3

CM 1

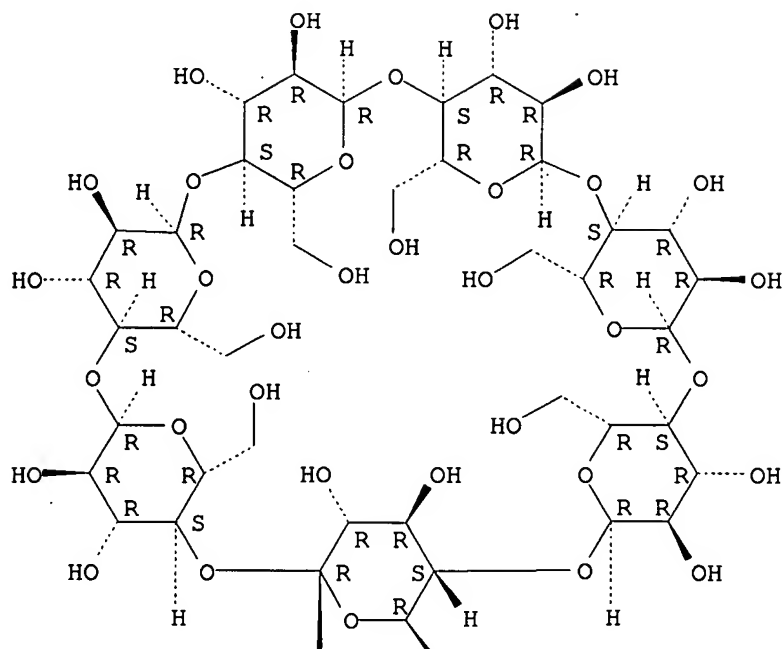
Absolute stereochemistry.



CM 2

Absolute stereochemistry.

PAGE 1-A



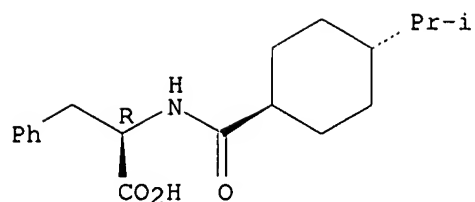
PAGE 2-A



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with heptane (9CI)  
 MF C19 H27 N O3 . x C7 H16

CM 1

Absolute stereochemistry.



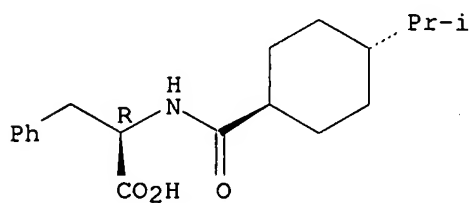
CM 2

Me-(CH<sub>2</sub>)<sub>5</sub>-Me

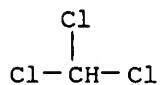
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with trichloromethane (9CI)  
 MF C19 H27 N O3 . x C H Cl3

CM 1

Absolute stereochemistry.



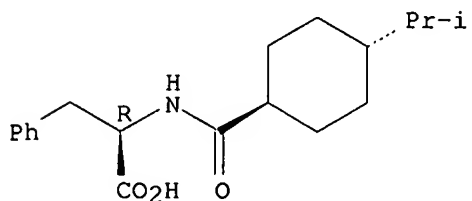
CM 2



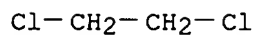
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 1,2-dichloroethane (9CI)  
 MF C19 H27 N O3 . x C2 H4 Cl2

CM 1

Absolute stereochemistry.



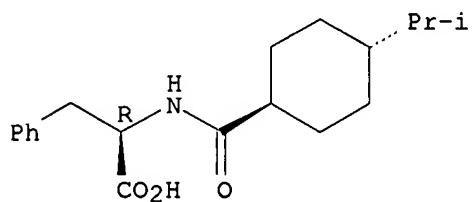
CM 2



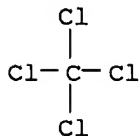
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with tetrachloromethane (9CI)  
MF C19 H27 N O3 . x C Cl4

CM 1

Absolute stereochemistry.



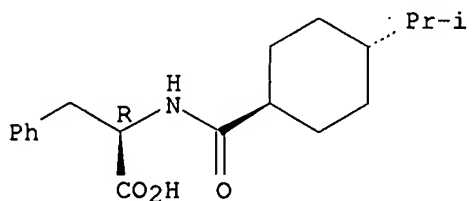
CM 2



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with dimethylbenzene (9CI)  
MF C19 H27 N O3 . x C8 H10

CM 1

Absolute stereochemistry.



CM 2

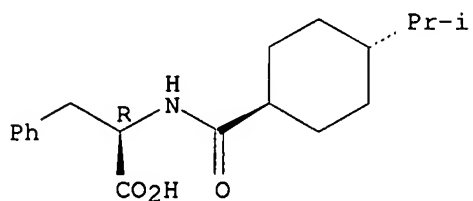


2 ( D1-Me )

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 1,2-dimethoxyethane (9CI)  
 MF C19 H27 N O3 . x C4 H10 O2

CM 1

Absolute stereochemistry.



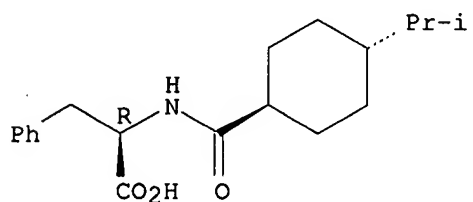
CM 2

MeO-CH<sub>2</sub>-CH<sub>2</sub>-OMe

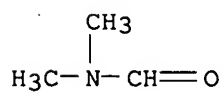
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with N,N-dimethylformamide (9CI)  
 MF C19 H27 N O3 . x C3 H7 N O

CM 1

Absolute stereochemistry.



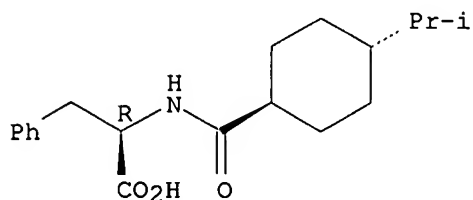
CM 2



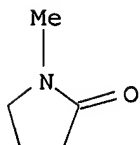
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with 1-methyl-2-pyrrolidinone (9CI)  
MF C19 H27 N O3 . x C5 H9 N O

CM 1

Absolute stereochemistry.



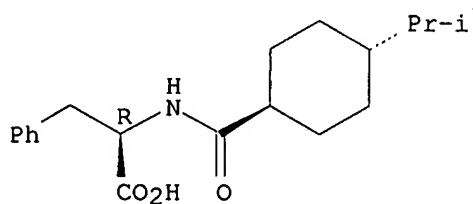
CM 2



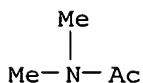
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with N,N-dimethylacetamide (9CI)  
MF C19 H27 N O3 . x C4 H9 N O

CM 1

Absolute stereochemistry.



CM 2

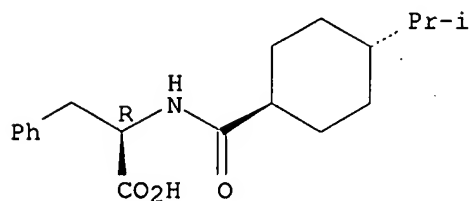


L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with 1-propanol (9CI)

MF C19 H27 N O3 . x C3 H8 O

CM 1

Absolute stereochemistry.



CM 2

H3C-CH2-CH2-OH

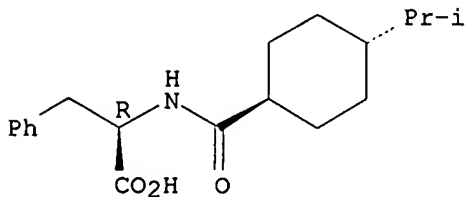
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with 1-butanol (9CI)

MF C19 H27 N O3 . x C4 H10 O

CM 1

Absolute stereochemistry.



CM 2

H3C-CH2-CH2-CH2-OH

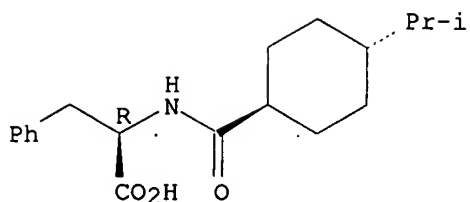
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
with ethanol (9CI)

MF C19 H27 N O3 . x C2 H6 O

CM 1

Absolute stereochemistry.



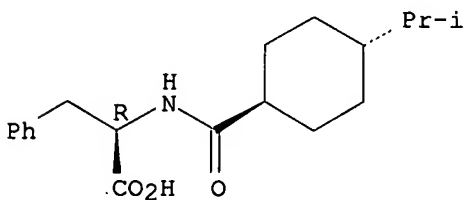
CM 2

H<sub>3</sub>C-CH<sub>2</sub>-OH

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with methanol (9CI)  
 MF C19 H27 N O3 . x C H4 O

CM 1

Absolute stereochemistry.

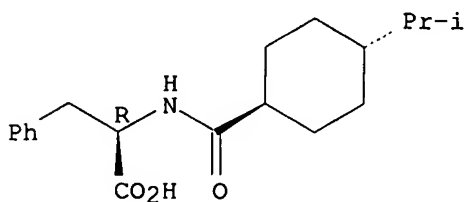


CM 2

H<sub>3</sub>C-OH

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-,  
 ammonium salt (9CI)  
 MF C19 H27 N O3 . x H3 N

Absolute stereochemistry.



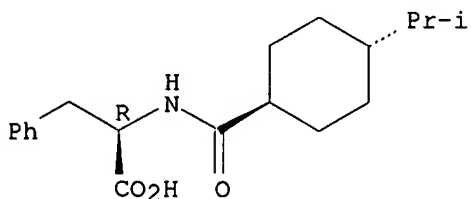
● x NH<sub>3</sub>



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, calcium  
salt (2:1)  
MF C19 H27 N O3 . 1/2 Ca

Absolute stereochemistry.

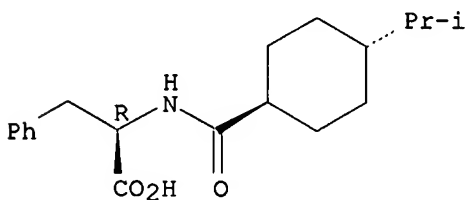


● 1/2 Ca

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-,  
monopotassium salt (9CI)  
MF C19 H27 N O3 . K

Absolute stereochemistry.

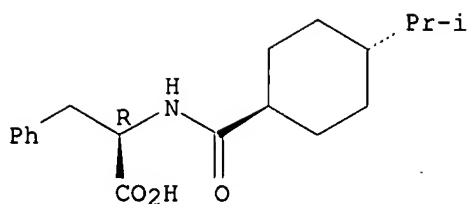


● K

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-,  
monosodium salt (9CI)  
MF C19 H27 N O3 . Na

Absolute stereochemistry.



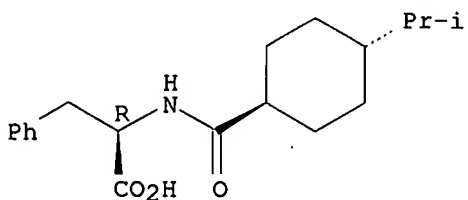
● Na

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with L-lysine (1:1) (9CI)  
 MF C19 H27 N O3 . C6 H14 N2 O2

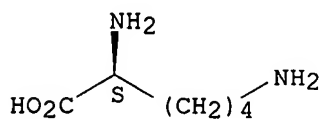
CM 1

Absolute stereochemistry.



CM 2

Absolute stereochemistry.

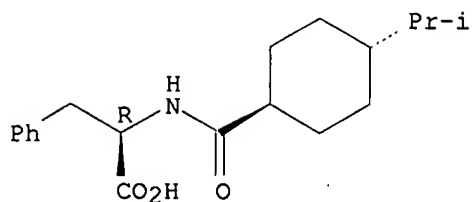


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

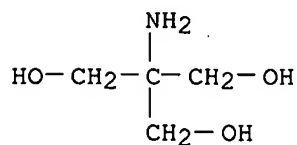
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 2-amino-2-(hydroxymethyl)-1,3-propanediol (1:1) (9CI)  
 MF C19 H27 N O3 . C4 H11 N O3

CM 1

Absolute stereochemistry.



CM 2

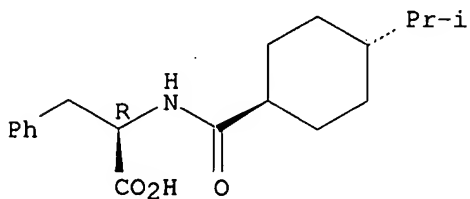


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, compd.  
 with 1-deoxy-1-(methylamino)-D-glucitol (1:1) (9CI)  
 MF C19 H27 N O3 . C7 H17 N O5

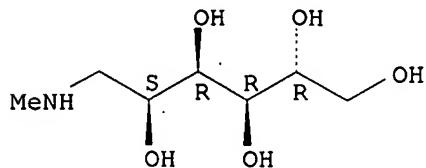
CM 1

Absolute stereochemistry.



CM 2

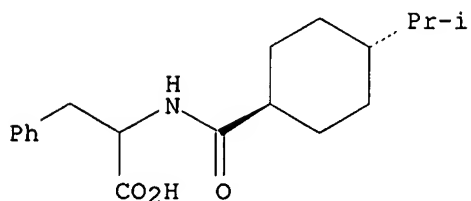
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
 IN Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-  
 MF C19 H27 N O3

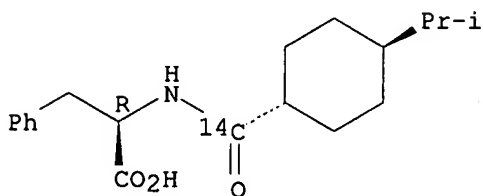
Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

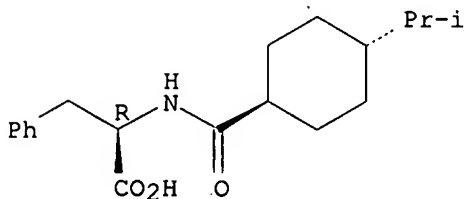
L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl-<sup>14</sup>C]- (9CI)  
MF C19 H27 N O3

Absolute stereochemistry.



L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-, hydrate (9CI)  
MF C19 H27 N O3 . x H2 O

Absolute stereochemistry.

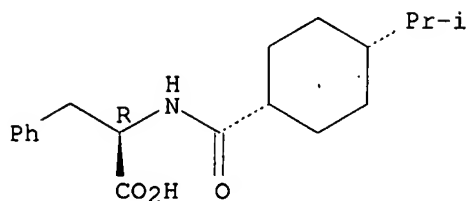


● x H<sub>2</sub>O

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[cis-4-(1-methylethyl)cyclohexyl]carbonyl]- (9CI)  
MF C19 H27 N O3

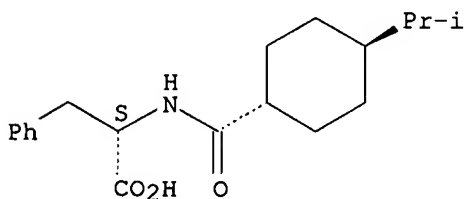
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN L-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]- (9CI)  
MF C19 H27 N O3

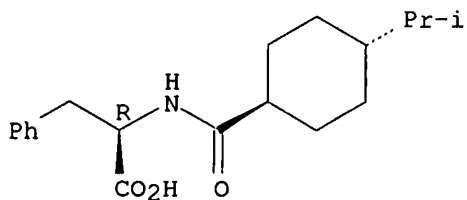
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L4 36 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN  
IN D-Phenylalanine, N-[[trans-4-(1-methylethyl)cyclohexyl]carbonyl]-  
MF C19 H27 N O3  
CI COM

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED